



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

WARREN M. FARNWORTH
ALAN G. WOOD
TRUNG TRI DOAN

Serial No. 10/646,897

Examiner: LEWIS, MONICA

Filed: 08-22-2003

Art Unit: 2822

Title: SEMICONDUCTOR COMPONENT HAVING THINNED
DIE WITH CONTACT BUMPS AND POLYMER LAYERS
ON SIX SIDES (AS AMENDED)

Docket No. 01-1059.01

INFORMATION DISCLOSURE STATEMENT (IDS) UNDER 37 CFR 1.97
February 9, 2007

Mail Stop RCE
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit herewith patents, publications or other information which they are aware, which they believe may be material to the patentability of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g) the filing of this Information Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists.

The attached form, PTO SB/08, provides a listing of patents, publications, or other information as required by 37 CFR 1.98(a)(1).



This Information Disclosure Statement is being submitted with only copies of non-US patent publication(s) and non-patent literature. This protocol conforms with 37 CFR 1.98(a)(2)(i), which waives the requirement for submitting a copy of each cited US patent and each US patent application publication for all US national patent applications filed after June 30, 2003.

With respect to patents JP 2000-31185 and JP 10-79362, the following concise statement of relevance is herein submitted by the undersigned.

JP 2000-31185 discloses in Figures 1a-1i a process wherein a semiconductor substrate 1 is thinned from a thickness of t1 in Figure 1a to t2 in Figure 1h. This reference is relevant because claim 170 of the present application claims a semiconductor component having a "thinned die".

JP 10-79362 discloses in Figures 41a-41c a process wherein a semiconductor substrate 16 includes trenches 105 containing a material 13, which are cut along cut lines x forming edge polymer layers. This reference is relevant because claim 265 of the present application claims a semiconductor component having an edge polymer layer which comprises a portion of a polymer filled trench.

DATED this 9th day of February, 2007.

Respectfully submitted:

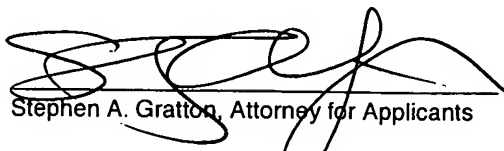

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

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Substitute for form 1449/PTO

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Sheet	1	of	2
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Complete if Known

Application Number	10/646,897
Filing Date	08-22-2003
First Named Inventor	WARREN M. FARNWORTH
Art Unit	2822
Examiner Name	LEWIS, MONICA
Attorney Docket Number	01-1059.01

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	Footnote
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	C	JP 2000-31185	01-28-2000			
	D	JP 10-79362	03-24-1998			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/646,897
		Filing Date	08-22-2003
		First Named Inventor	WARREN M. FARNWORTH
		Art Unit	2822
Examiner Name	LEWIS, MONICA		
Sheet 2	of 2	Attorney Docket Number 01-1059.01	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	E	PETER VAN ZANT, Microchip Fabrication, 2000, McGraw-Hill, Fourth Edition, page 588.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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